

Claims

1. Supply air terminal assembly for the supply of supply air to a room, the supply air terminal assembly comprising two throttling units (21, 31; 22, 32), which are supplied with supply air from a supply air pipe (3), each throttling unit being formed in order to give the passing supply air flow a preselected pressure drop under weak noise generation, one of, the first, throttling unit (21, 31) having a preconnected shut off valve (40, 44, 45) which normally is closed, and which is arranged to be reset into an open position (40') for temporary enhancement of the supply air flow through the supply air terminal assembly, **characterized in** that each of the throttling units comprises a socket (21, 22) that is screened off by an air filter (31, 32), that the sockets (21, 22) are placed in order to leave a ring gap between themselves, that the filter (31) of the first throttling unit, in the supply air direction, is located downstream the filter (32) of the second throttling unit, and that the valve (40, 44, 45) comprises a ring plate that is actuatable between two positions, in which the ring plate closes and uncovers, respectively, the ring gap, whereby the two air filters being connected in series in the flow direction of the supply air when the ring plate is in the closed position and connected in parallel in the open position (40) of the ring plate.

20

2. Supply air terminal assembly according to claim 1, **characterized in** that the filters of the throttling units (31, 32) are in the form of bags, and that the filter bag (32) of the second throttling unit is located in the bag (31) of the first throttling unit.

25

3. Supply air terminal assembly according to claim 2, **characterized in** that the valve plate (40) has the shape of a ring plate that is divided along an axial plane for the formation of two valve plate parts (41), which are turnably mounted around turning bearings (48), the axes of which are parallel to the dividing plane and located at a small distance (s) from the same, the valve having actuating members (44, 45) for the turning of the valve plate parts (41) around the turning bearings (48) thereof.

30

4. Supply air terminal assembly according to any one of claims 1–3, **characterized in** that the actuating device (44, 45) of the valve comprises a bar (45) of a material having a high thermal expansion coefficient, one end of which is fixedly mounted and the second end (46) of which is arranged to drive the

35

valve plate (40) into and from lowered position, the bar (45) being provided with an appurtenant electrically driven heating assembly (44).